

## GIS REGISTRY INFORMATION

SITE NAME: Pinehurst Farm

**BRRTS # and FID #:** BRRTS #0260227882, FID #460182580

CLOSURE DATE: 23-May-03

STREET ADDRESS: N4799 State Road

CITY: Sheboygan Falls

**SOURCE PROPERTY GPS COORDINATES** (meters in WTM91 projection):

X= 696121 Y= 362433

OFF-SOURCE CONTAMINATION (>ES): ☐ Yes ☒ No

IF YES, STREET ADDRESS 1: \_\_\_\_\_

GPS COORDINATES (meters in WTM91 projection): X= \_\_\_\_\_ Y= \_\_\_\_\_

IF YES, STREET ADDRESS 2: \_\_\_\_\_

GPS COORDINATES (meters in WTM91 projection): X= \_\_\_\_\_ Y= \_\_\_\_\_

CONTAMINATION IN RIGHT OF WAY: ☐ Yes ☒ No

**DOCUMENTS NEEDED:**

Closure Letter, and any conditional closure letter issued

Copy of most recent deed, including legal description, for all affected properties

Certified survey map or relevant portion of the recorded plat map (if referenced in the legal description) for all affected properties

County Parcel ID number, *if used for county*, for all affected properties

**Location Map** which outlines all properties within contaminated site boundaries in sufficient detail to permit the parcels to be located easily (8.5x14" if paper copy)

**Detailed Site Map(s) for all affected properties**, showing buildings, roads, property boundaries, contaminant sources, utility lines, monitoring wells and potable wells. (8.5x14", if paper copy)

Tables of Latest Groundwater Analytical Results (no shading or cross-hatching)

**Isoconcentration map(s), if available from site investigation (SI)** (8.5x14" if paper copy). The isoconcentration map should have flow direction and extent of contamination defined. **If not available, include the following 2 types of maps:**

Latest groundwater flow/monitoring well location map

### Latest extent of contaminant plume map

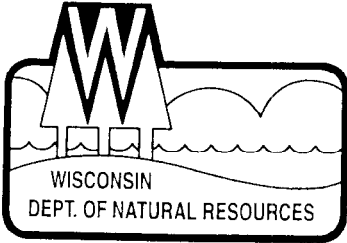
**Geologic cross-sections, if available from SI.** (8.5x14' if paper copy)

RP certified statement that legal descriptions are complete and accurate

**Copies of off-source notification letters (if applicable)**

Letter informing ROW owner of residual contamination (if applicable)

[illegible]



## State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Jim Doyle, Governor  
Scott Hassett, Secretary  
Gloria L. McCutcheon, Regional Director

Plymouth Service Center  
1155 Pilgrim Rd.  
P.O. Box 408  
Plymouth, Wisconsin 53073-0408  
Telephone 920-892-8756  
FAX 920-892-6638

May 23, 2003

Dave Bachmann  
Pinehurst Farm  
N4799 Highway 32  
Sheboygan Falls, WI 53085

Dear Mr. Bachmann:

Subject: Final case closure, Pinehurst Farm, N4799 State Rd., Sheboygan Falls, file reference FID  
#460182580, BRRTS #0260227882

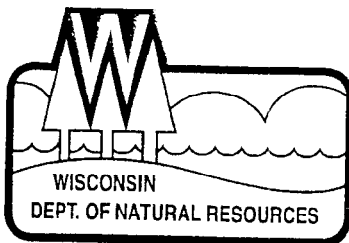
Thank you for submitting additional closure information. The department considers this case to have final closure status, and I have added that status update to our database. If you have any questions about this issue, please call me at 920-892-8756, extension 3023.

Sincerely,

John Feeney

- Wisconsin Department of Natural Resources

Cc: Northern Environmental, Inc.  
SER File



State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Scott McCallum, Governor  
Darrell Bazzell, Secretary

Southeast Region Annex  
4041 North Richards Street  
P.O. Box 12436  
Milwaukee, Wisconsin 53212-0436  
Telephone 414-229-0800  
FAX 414-229-0811

July 3, 2001

Dave Bachmann  
Pinehurst Farm  
N4799 Highway 32  
Sheboygan Falls, WI 53085

Dear Mr. Bachmann;

Subject: Case closure, Pinehurst Farm, N4799 State Rd. 32, Sheboygan Falls, file reference FID #460182580, BRRTS #0260227882

I have reviewed your case file based on documents submitted by Northern Environmental Services, Inc. Based on this information I agree with Northern Environmental in that no further work is needed. The department reserves the right to reopen this case pursuant to s. NR726.09, Wisconsin Administrative Code (WAC), should additional information regarding site conditions indicate contamination on or from the site poses a threat to public health, safety or welfare or the environment.

To complete the closure of this site, you must place a groundwater use restriction on the property deed at the county register of deeds office which specifies the legal description of the property, the location, type, and concentration of the contaminants and includes the following language:

Natural attenuation has been approved by the Department of Natural Resources to remediate groundwater exceeding ch. NR 140 groundwater standards within the boundaries of this property. Construction of wells where water quality exceeds the drinking water standards in ch. NR809 is restricted by chs. NR811 and NR812. Special well construction standards or water treatment requirements, or both, or well construction prohibitions may apply. Anyone who proposes to construct or reconstruct a well on this property is required to contact the Department of Natural Resources' Bureau of Drinking Water and Groundwater to determine what specific requirements are applicable prior to constructing or reconstructing a well on this property.

Other conditions that this deed document should have include:

- The average yearly pumping rate of the water supply well (PH1) should not be increased (to avoid pulling contaminants into the deeper aquifer). Water from this well must not be used for human consumption without yearly testing.
- The site must be capped with asphalt. The asphalt cap must be inspected and maintained according to a yearly schedule specified in the deed restriction.
- If any remaining contaminated soil is excavated, it must be properly disposed of.

This closure is contingent on you properly abandoning the water supply well (OFF1).

Please submit a draft deed document to the department's program attorney for approval: Judy Ohm LC/5, P.O. Box 7921, Madison, WI 53707-7921. Include the following information in your submittal to Ms. Ohm:

- Warranty deed, quit claim deed, land contract or other evidence of property ownership.
- Certified survey map or relevant portion of the recorded plat map if one is referred to in the legal description.
- Lab results showing the type and concentration of contamination, if not documented in the deed restriction.
- A site map.
- A copy of this closure letter.

When the final copy of the deed document has been filed and notarized, please send a copy to me.

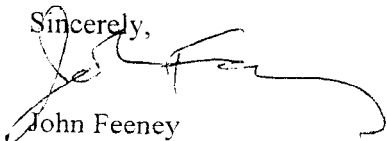
Within 60 days all of the groundwater monitoring wells at the site must be abandoned in accordance with WAC NR 141 and the completed abandonment forms must be submitted to the department. Once the department receives the abandonment forms and a copy of the final filed deed document,

This case will be tracked as closed on our computer tracking system after the following documentation is received:

- Well abandonment forms, including well OFF1.
- Copy of filed deed restriction/groundwater use restriction.
- Documentation that the area has been paved.

If you have any questions about this letter, please call me at 414-229-0850.

Sincerely,



John Feeney  
Wisconsin Department of Natural Resources

Cc: Northern Environmental  
SER File

STATE BAR OF WISCONSIN FORM 16 - 1982  
TRUSTEE'S DEED

DOCUMENT NO.

SHEBOYGAN COUNTY, WI  
RECORDED ON

12-13-2000 1:45 PM

DARLENE J. NAVIS  
REGISTER OF DEEDS

RECORDING FEE: 14.00  
TRANSFER FEE:

049041 6

FEE  
# 77.25 (15m)  
EXEMPT

THIS SPACE RESERVED FOR RECORDING DATA

NAME AND RETURN ADDRESS

ScAc

DAVID H. BACHMANN, SR. also known as DAVID BACHMANN, SR.  
also known as DAVID BACHMANN also known as DAVID H.  
BACHMANN as Trustee of  
THE DAVID H. BACHMANN 1993 DECLARATION OF TRUST

for a valuable consideration conveys without warranty to PINEHURST FARMS  
GOLF DEVELOPMENT, L.P., a Wisconsin limited  
partnership

Grantee,  
the following described real estate in Sheboygan County,  
State of Wisconsin

see attached legal description which is attached hereto  
and made a part hereof by reference

090140, 090210, 090150, 090160,  
090170, 090180, 090330, 090350\*  
PARCEL IDENTIFICATION NUMBER  
\*090370, 090380, 090390, 090450  
090470, 090480, 090490, 090500  
and 090530

Dated this 1st day of ~~December~~ May, 2000  
THE DAVID H. BACHMANN 1993 DECLARATION OF TRUST

(SEAL)

By DAVID H. BACHMANN, SR. a/k/a DAVID  
BACHMANN, SR. a/k/a DAVID BACHMANN  
a/k/a DAVID H. BACHMANN  
(Trustee)

(SEAL)

AUTHENTICATION

ACKNOWLEDGMENT

State of Wisconsin,

Sheboygan County

Personally came before me this day of

2000, the above named

DAVID H. BACHMANN, SR. a/k/a DAVID

BACHMANN, SR. a/k/a DAVID BACHMANN

a/k/a DAVID H. BACHMANN

to me known to be the person who executed the foregoing  
instrument and acknowledge the same.

Notary Public, County, Wis.

My commission is permanent. (If not, state expiration date:

19

Signature(s) David Bachmann aka David H. Bachmann Sr.

aka David Bachmann, Sr aka David H. Bachmann

authenticated this 1st day of May 2000

EUGENE J. HICKEY

Notary Public - State of Wisconsin

authorized by §706.06, Wis. Stat.

My Commission Expires 04/25/04

THIS INSTRUMENT WAS DRAFTED BY

D BACHMANN

(Signatures may be authenticated or acknowledged. Both are not  
necessary.)

\* Names of persons signing in any capacity should be typed or printed below their signatures

TRUSTEE'S DEED

STATE BAR OF WISCONSIN  
Form No. 16 - 1982

Wisconsin Legal Blank Co., Inc.  
Milwaukee, Wis.

Parts of Section One (1), Town Fourteen (14) North, Range Twenty-two (22) East, described as:

The Northwest Quarter (NW1/4) of the Northeast Quarter (NE1/4) of Section 1, except the East 7 acres thereof, subject to highway conveyance recorded in Volume 1108 of Records on Pages 340/41.

Tax Key Number 090140.

All that part of the North Half (N1/2) of the Northwest Quarter (NW1/4) of Section 1 lying East of the centerline of STH "32" (f/k/a STH "42") extending Northerly and Southerly through the West Half (W1/2) of the Northwest Quarter (NW1/4) said Section, subject to highway conveyance recorded in Volume 1108 of Records on Pages 340/41.

Tax Key Number 090210.

The Southwest Quarter (SW1/4) of the Northeast Quarter (NE1/4) of Section 1, except commencing at the Southeast corner of said Southwest Quarter (SW1/4) of the Northeast Quarter (NE1/4), thence North 70 feet, thence S.64°-0'W. 120 feet more or less to a point in the South line of said Southwest Quarter (SW1/4) of the Northeast Quarter (NE1/4), thence East to beginning, except 7.25 acres as described in Volume 532 of Records on Pages 461/64.

Tax Key Number 090150.

Part of the Southwest Quarter (SW1/4) of the Northeast Quarter (NE1/4) of Section 1, described as commencing at the Southeast corner of said Southwest Quarter (SW1/4) of the Northeast Quarter (NE1/4), thence North 70 feet, thence S.64°W. 120 feet, thence East to beginning.

Tax Key Number 090160.

Part of the Southeast Quarter (SE1/4) of the Northeast Quarter (NE1/4) of Section 1, described as commencing 70 feet North of the Southwest corner said Southeast Quarter (SE1/4) of the Northeast Quarter (NE1/4), thence N.56°-19'E. 77 feet, thence N.44°-32'E. 98.9 feet, thence N.25°-17'E. 370 feet to the center of the Onion River, thence Northeasterly, Southeasterly, Southwesterly and Southeasterly in the center of the river to the East line of said Section, thence North to the Northeast corner of the Southeast Quarter (SE1/4) of the Northwest Quarter (NW1/4), thence West to the Northwest corner of said Southeast Quarter (SE1/4) of the Northwest Quarter (NW1/4), thence South to beginning, except part described in Volume 532 of Records on Pages 461/64.

Tax Key Number 090170.

Part of the Southeast Quarter (SE1/4) of the Northeast Quarter (NE1/4) of Section 1, described as commencing at the Southwest corner said Southeast Quarter (SE1/4) of the Northeast Quarter (NE1/4), thence North 70 feet, thence N.56°-19'E. 77 feet, thence N.44°-32'E. 98.9 feet, thence N.25°-17'E. 370 feet to the center of the Onion River, thence N.71°E. along the center of the river 495 feet, thence S.41°E. 148.5 feet, thence S.25°W. 343.2 feet, thence West 118.8 feet, thence South 231 feet to the East and West quarter line, thence West to beginning.

Tax Key Number 090180.

All that part of the Southwest Quarter (SW1/4) of the Northwest Quarter (NW1/4) of Section 1, lying East of the center of STH "32", except commencing 71 feet West of the Southeast corner said Southwest Quarter (SW1/4) of the Northwest Quarter (NW1/4), thence N.68°31'W. 779.12 feet to the center of said highway, thence Southwesterly on the center of said highway to the South line of the Southwest Quarter (SW1/4) of the Northwest Quarter (NW1/4), thence East to beginning, except 1.63 acres as described in Volume 532 of Records on Pages 461/64.

Tax Key Number 090330.

Part of the Southwest Quarter (SW1/4) of the Northwest Quarter (NW1/4) of Section 1, described as commencing 396 feet North of the Southwest corner said quarter, thence North 568.26 feet, thence East 556.3 feet, thence South 195.5 feet, thence East 210.85 feet to the center of STH "32" (f/k/a STH "42"), thence Southwesterly along center of said highway 399.85 feet more or less, thence West 569.25 feet to beginning.

Tax Key Number 090350.

The Southeast Quarter (SE1/4) of the Northwest Quarter (NW1/4) of Section 1, except 6.87 acres as described in Volume 532 of Records on Pages 461/64.

Tax Key Number 090370.

The Northeast Quarter (NE1/4) of the Southwest Quarter (SW1/4) of Section 1, except 1 acre as described in Volume 532 of Records on Pages 461/64.

Tax Key Number 090380.

Part of the Northwest Quarter (NW1/4) of the Southwest Quarter (SW1/4) of Section 1, lying East of the center of STH "32", except commencing 71 feet West of the Northeast corner said Northwest Quarter (NW1/4) of the Southwest Quarter (SW1/4), thence S.19°-11'W. 585.9 feet, thence N.65°-37'W. 440.5 feet, thence S.89°-32'W. 558.5 feet to the center of STH "32", thence Northeast on the center of said highway to the North line of the Northwest Quarter (NW1/4) of the Southwest Quarter (SW1/4), thence East to beginning, except part described in Volume 532 of Records on Pages 461/64.

Tax Key Number 090390.

Part of the Southeast Quarter (SE1/4) of the Southwest Quarter (SW1/4) of Section 1, described as commencing at the South quarter post, thence West 1065.90 feet, thence North 333.96 feet to the center of the Onion River, thence Northeasterly along the center of the river to the East line of the Southeast Quarter (SE1/4) of the Southwest Quarter (SW1/4), thence South 1207.80 feet to beginning.

Tax Key Number 090450.

The West Half (W1/2) of the Northeast Quarter (NE1/4) of the Southeast Quarter (SE1/4) of Section 1, Town 14 North, Range 22 East.

Tax Key Number 090470.

Part of the Northwest Quarter (NW1/4) of the Southeast Quarter (SE1/4), Section 1, described as commencing at the Southeast corner of said Northwest Quarter (NW1/4) of the Southeast Quarter (SE1/4), thence West 1248.7 feet, thence N.52°-30'E. 273.6 feet, thence N.51°-55'E. 325 feet more or less to the center of the Onion River, thence Northeasterly along the center of said river to a point 275 feet South and 235 feet West of the Northeast corner said Northwest Quarter (NW1/4) of the Southeast Quarter (SE1/4), thence N.25°-50'E. 130 feet, thence N.11°-26'E. 56 feet, thence N.07°-40'E. 118.2 feet to the East and West quarter line, thence East to the Northeast corner of the Northwest Quarter (NW1/4) of the Southeast Quarter (SE1/4), thence South to beginning.

Tax Key Number 090480.

Part of the Northwest Quarter (NW1/4) of the Southeast Quarter (SE1/4) of Section 1, described as commencing at a point 1248.7 feet West of the Southeast corner said Northwest Quarter (NW1/4) of the Southeast Quarter (SE1/4), thence N.52°-33'E. 273.6 feet, thence N.51°-55'E. 325 feet to the center of the Onion River, thence Northeasterly along the center of said river to a point 275 feet South and 235 feet West of the Northeast corner of the Northwest Quarter (NW1/4) of the Southeast Quarter (SE1/4), thence N.25°-30'E. 130 feet, thence N.11°-26'E. 56 feet, thence N.7°40'E. 118.2 feet more or less to the North line of said Northwest Quarter (NW1/4) of the Southeast Quarter (SE1/4), thence West to the Northwest corner said quarter, thence South to the Southwest corner said Northwest Quarter (NW1/4) of the Southeast Quarter (SE1/4), thence East to beginning, except 0.68 acres as described in Volume 532 of Records on Pages 461/64.

Tax Key Number 090490.

The Southwest Quarter (SW1/4) of the Southeast Quarter (SE1/4) of Section 1, except commencing 701 feet East of the Southwest corner of the Southwest Quarter (SW1/4) of the Southeast Quarter (SE1/4), thence N.0°28'E. 113.6 feet, thence N.52°-14'E. 136.3 feet, thence N.76°-33'E. 217.2 feet, thence S.0°28'W. 247.6 feet to the South line of Section 1, thence West 317.8 feet to beginning.

Tax Key Number 090500.

The West Half (W1/2) of the Southeast Quarter (SE1/4) of the Southeast Quarter (SE1/4) of Section 1, Town 14 North, Range 22 East.

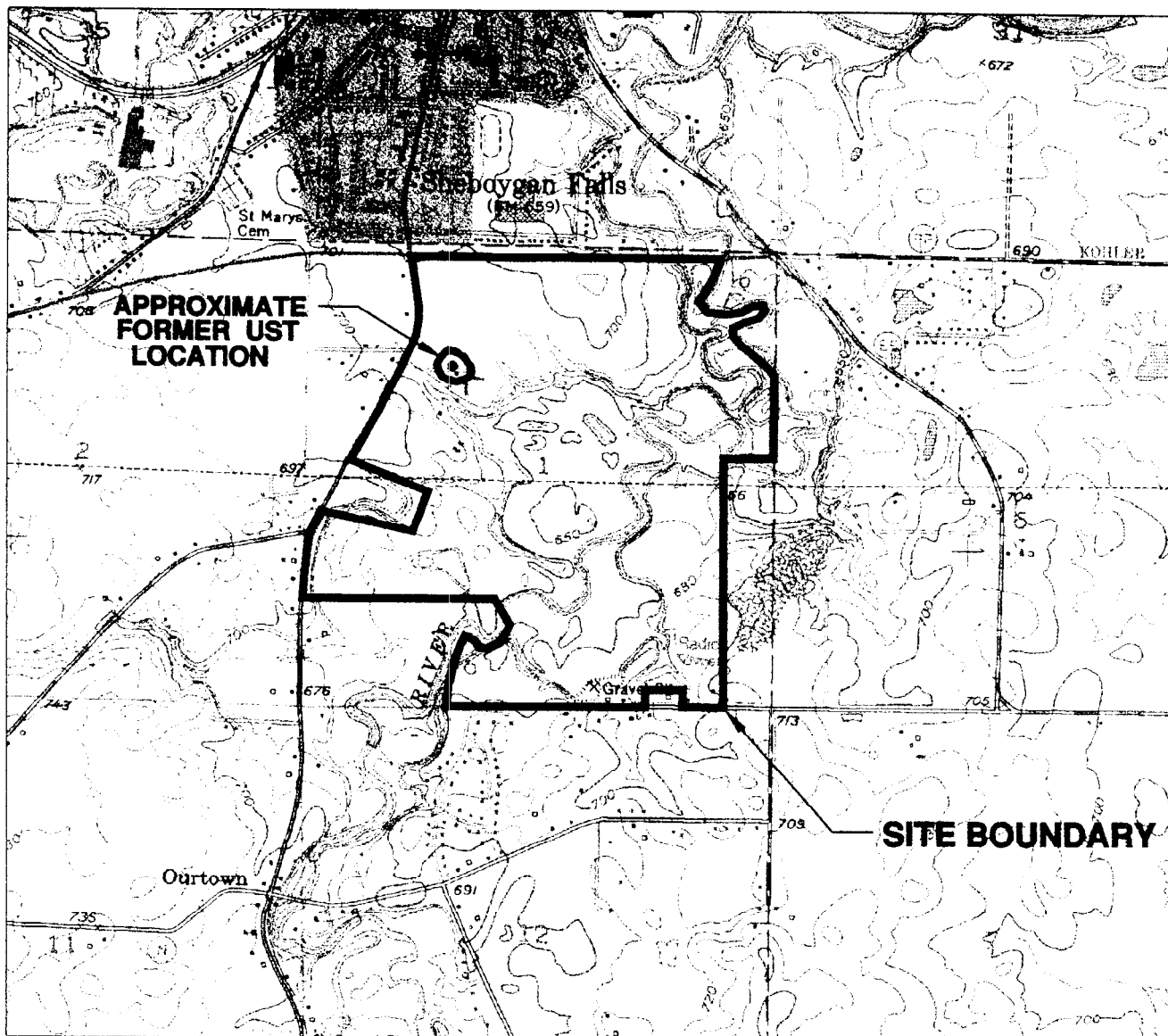
Tax Key Number 090530.

Scale 1 : 1,439

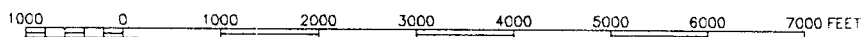


▲ WTM coordinates: 696121, 362433





SCALE 1" = 2000'



CONTOUR INTERVAL 10 FEET  
NATIONAL GEODETIC VERTICAL DATUM OF 1929



QUADRANGLE LOCATION

BASE MAP SOURCE: USGS 7.5 MINUTE TOPOGRAPHIC SERIES,  
TopoScout, U.S. Terrain Series, ©Maptech, Inc. 800-627-7236

DRAWN BY: TMH PROJECT: PHF-2199 DATE: 05/26/99

REV. DATE

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**Northern Environmental** SM  
Hydrologists • Engineers • Geologists

PINEHURST FARM  
SHEBOYGAN FALLS, WISCONSIN

SITE LOCATION AND  
LOCAL TOPOGRAPHY



FIGURE 1



Table 2 Organic Parameters Ground-Water Quality Laboratory Results, Pinehurst Farms, Sheboygan Falls, Wisconsin

Monitoring Well	Date Sampled	Analytical Results (micrograms per liter)									
		Lead	Benzene	sec-Butyl-benzene	1,2-Dichloro-ethane	Ethylbenzene	Methyl-tertiary-butyl-ether	Diisopropyl ether	Toluene	Trimethyl-benzenes	Xylenes
MW100	06/27/00	4.0	4000	<6.0	310	17	61	75	(220)	66	247
	08/07/00	-	3200	-	-	<50	(43)	-	150	<100	<150
	12/14/00	-	3500	-	200	<40	(40)	-	(430)	(200)	(1110)
	04/05/01	-	4400	-	240	85	64	-	14	(310)	404
MW200	06/27/00	<1.1	<0.10	<0.30	0.67	<0.10	<1.1	2.6	<0.10	<0.80	<0.30
	08/07/00	-	<0.50	-	-	<0.50	<0.40	-	<0.50	<1.00	<1.50
	12/14/00	-	<0.40	-	-	<0.40	<0.40	-	<0.40	<0.80	<1.10
	04/05/01	-	1.7	-	-	<0.40	<0.40	-	<0.40	<0.80	<1.10
MW300	06/27/00	<1.1	<0.10	<0.30	<0.30	<0.10	<1.1	<0.10	<0.10	<0.50	<0.30
	08/07/00	-	<0.50	-	-	<0.50	<0.40	-	<0.50	<1.00	<1.50
	12/14/00	-	<0.40	-	-	<0.40	<0.40	-	<0.40	<0.80	<1.10
	04/05/01	-	<0.40	-	-	<0.40	<0.40	-	<0.40	<0.80	<1.10
MW400	06/27/00	<1.1	<0.10	<0.30	<0.30	<0.10	<1.1	<0.10	<0.10	<0.50	<0.30
	08/07/00	-	<0.50	-	-	<0.50	<0.40	-	<0.50	<1.00	<1.50
	12/14/00	-	<0.40	-	-	<0.40	<0.40	-	<0.40	<0.80	<1.10
	04/05/01	-	<0.40	-	-	<0.40	<0.40	-	<0.40	<0.80	<1.10
MW500	06/27/00	<1.1	<0.10	<0.30	24	<0.10	<1.1	1.6	<0.10	<0.50	<0.30
	06/27/00	-	(1.7)	<0.30	20	<0.10	<1.1	1.6	<0.10	<0.50	<0.30
	08/07/00	-	(1.2)	-	-	<0.50	<0.40	-	<0.50	3.30	1.60
	12/14/00	-	<0.40	-	(4.7)	<0.40	<0.40	-	<0.40	<0.80	<1.10
	12/14/00	-	<0.40	-	-	<0.40	<0.40	-	<0.40	<0.80	<1.10
	04/05/01	-	0.16	-	<0.40	2.1	<1.1	-	<0.10	4.40	0.53
	04/05/01	-	<0.40	-	-	2.2	<0.40	-	<0.40	3.30	<1.10
MW600	06/27/00	2.4	12	1.4	9.2	<0.10	<1.1	<0.10	<0.10	<0.50	<0.30
	08/07/00	-	<0.50	-	-	<0.50	<0.40	-	<0.50	<1.00	<1.50
	08/07/00	-	<0.50	-	-	<0.50	<0.40	-	<0.50	<1.00	<1.50
	12/14/00	-	<0.40	-	(3.8)	<0.40	<0.40	-	<0.40	<0.80	<1.10
	04/05/01	-	<0.10	-	(2.8)	<0.10	<1.1	<0.10	<0.10	<0.50	<0.30

**Table 2 Organic Parameters Ground-Water Quality Laboratory Results, Pinehurst Farms, Sheboygan Falls, Wisconsin**

Monitoring Well	Date Sampled	Analytical Results (micrograms per liter)									
		Lead	Benzene	sec-Butyl-benzene	1,2-Dichloro-ethane	Ethylbenzene	Methyl-tertiary-butyl-ether	Diisopropyl ether	Toluene	Trimethyl-benzenes	Xylenes
MW700	06/27/00	<1.1	<0.10	<0.30	<0.40	<0.10	<1.1	<0.10	<0.10	<0.50	<0.30
	08/07/00	-	<0.50	-	-	<0.50	<0.40	-	<0.50	<1.00	<1.50
	12/14/00	-	<0.40	-	-	<0.40	<0.40	-	<0.40	<0.80	<1.10
	04/05/01	-	<0.40	-	-	<0.40	<0.40	-	<0.40	<0.80	<1.10
MW800	08/07/00	<1.1	<0.10	<0.30	<0.40	<0.10	<1.1	<0.10	<0.10	<0.50	<0.30
PH1	06/09/00	-	<0.50	-	-	<0.50	<0.30	-	<0.50	<1.00	<1.50
OFF1	06/09/00	-	<0.50	-	-	<0.50	<0.30	-	<0.50	<1.00	<1.50
TRIP	06/27/00	-	<0.10	<0.30	<0.40	17	<1.1	<0.10	<0.10	<0.50	<0.30
	12/14/00	-	<0.40	-	-	<0.40	<0.40	-	<0.40	<0.80	<1.10
WDNR PAL		NR	0.5	NR	0.5	140	12	NR	200	96	1000
WDNR ES		NR	5	NR	5	700	60	NR	1000	480	10,000

Note:

<x = concentration of x less than limit of detection  
 - = not analyzed  
 \* = duplicate sample  
 NR = not regulated

(XXX) = exceeds Wisconsin Department of Natural Resources (WDNR) preventive action limit (PAL)

**XXX** = exceeds WDNR enforcement standard (ES)

Table 2 Soil Sample Field Screening and Laboratory Analytical Results, Pinehurst Farm, Sheboygan Falls, Wisconsin

Borehole Number	Sample Number	Depth (feet)	Date Collected	PID Field Screening			Laboratory Analysis																Petroleum Odor	Sample Description		
				Time Collected	Time Analyzed	PID Response (au)	DRO (mg/kg)	GRO (mg/kg)	Lead (mg/kg)	VOC Analytes (mg/kg)																
										1,2-dichloroethane	Benzene	n-Butyl benzene	sec-Butyl benzene	Diisopropyl ether	Ethyl benzene	Isopropyl benzene	Naphthalene	n-Propyl benzene	Tetrachloroethene	Toluene	1,2,4-Trimethyl benzene	1,3,5-Trimethyl benzene			Total Xylenes	
B100 (MW100)	S101	2-4	06/09/06	0804	0837	2000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Slight	Clay fill
	S102	4-6	06/09/06	0810	0837	2000	(140)	(720)	6.0	0.38	15	14	0.75	1.2	11	1.3	4.4	4.9	0.2	(2)	35	11	74	Slight	Clay fill	
	S103	6-8	06/09/06	0815	0838	1770	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Slight	Clay fill	
	S104	8-10	06/09/06	-	No Recovery	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Clay fill
	S105	10-12	06/09/06	0832	0902	2000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Slight	Clay fill
	S106	12-14	06/09/06	0836	0903	96	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	None	Clay fill
	S107	14-16	06/09/06	0845	0905	4	1.6	1.3	4.6	0.17	0.025	0.025	0.25	0.042	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	None	Clay fill
	S108	16-18	06/09/06	0852	0916	211	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	None	Clay fill
	S109	18-19.5	06/09/06	0910	0930	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	None	Clay fill
B200	S201	2.5-4.5	06/09/06	1003	1033	2000	(290)	(2700)	9.4	1.9	(7.7)	64	3.6	2.6	58	5.3	20	25	15	5*	156	48	183	Slight	Clay fill	
	S202	5-7	06/09/06	1313	1358	1000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Slight	Clay fill
	S203	7.5-9.5	06/09/06	1323	1400	500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Slight	Clay fill
	S204	10-12	06/09/06	1331	1400	150	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Slight	Clay fill
	S205	12.5-14.5	06/09/06	1343	1402	35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	None	Clay fill
	S206	15-17	06/09/06	1345	1405	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	None	Clay fill
	S207	17.5-19.5	06/09/06	1414	1435	2	1.6	1.3	5.5	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	None	Clay fill
	S208	19.5-21.5	06/09/06	1435	1455	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	None	Clay fill
B300 (MW200)	S301	2.5-4.5	06/09/06	1015	1043	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	None	Clay fill
	S302	5-7	06/09/06	1020	1044	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	None	Clay fill
	S303	7.5-9.5	06/09/06	1026	1048	0	1.6	1.3	4.6	0.025	0.025	0.089	0.025	0.025	0.072	0.025	0.028	0.026	0.025	0.061	0.24	0.075	0.415	None	Clay fill	
	S304	10-12	06/09/06	1030	1105	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	None	Clay fill
	S305	12.5-14.5	06/09/06	1040	1105	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	None	Clay fill
	S306	15-17	06/09/06	1048	1110	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	None	Clay fill
	S307	17.5-19.5	06/09/06	1055	1015	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	None	Clay fill
	S308	19.5-21.5	06/09/06	1055	1015	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	None	Clay fill
B400 (MW300)	S401	2.5-4.5	06/09/06	1133	1210	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	None	Clay fill
	S402	5-7	06/09/06	1139	1211	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	None	Clay fill
	S403	7.5-9.5	06/09/06	1147	1211	0	1.6	1.2	4.4	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	None	Clay fill
	S404	10-12	06/09/06	-	No Recovery	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	None	Clay fill
	S405	12.5-14.5	06/09/06	1435	1515	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	None	Clay fill
	S406	15-17	06/09/06	1502	1530	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	None	Clay fill
	S407	17.5-19.5	06/09/06	-	No Recovery	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	None	Clay fill
	S408	19.5-21.5	06/09/06	-	No Recovery	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	None	Clay fill
B500	S501	2.5-4.5	06/09/06	1351	1613	5	2.5	1.0	5.3	0.38	(1.7)	11	0.61	2.5	11	1.1	2.4	4.5	3.8	(0.1)	25	7.8	(23)	Medium	Clay fill	
	S502	5-7	06/09/06	1533	1615	700	2.5	1.0	5.3	0.38	(1.7)	11	0.61	2.5	11	1.1	2.4	4.5	3.8	(0.1)	25	7.8	(23)	Slight	Clay fill	
	S503	7.5-9.5	06/09/06	1400	1625	250	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	None	Clay fill
	S504	10-12	06/09/06	1428	1648	70	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	None	Clay fill
	S505	12.5-14.5	06/09/06	1434	1657	35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	None	Clay fill
	S506	15-17	06/09/06	1449	1703	0	1.7	1.3	5.7	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	None	Clay fill
B600 (MW400)	S601	2.5-4.5	06/09/06	1735	1738	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	None	Clay fill
	S602	5-7	06/09/06	1729	1746	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	None	Clay fill
	S603	7.5-9.5	06/09/06	1725	1743	4	1.6	1.2	4.5	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	None	Clay fill
	S604	10-12	06/09/06	1730	1750	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	None	Clay fill
	S605	12.5-14.5	06/09/06	1734	1753	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	None	Clay fill
	S606	15-17	06/09/06	1738	1747	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	None	Clay fill
	S607	17.5-19.5	06/09/06	1736	1816	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	None	Clay fill
	S608	19.5-21.5	06/09/06	1736	1816	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	None	Clay fill
B700 (MW500)	S701	2.5-4.5	06/20/06	0829	0851	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	None	Clay fill
	S702	5-7	06/20/06	0825	0852	33	1.6	20	3.8	0.025	0.025	0.85	0.047	0.025	0.41	0.093	0.16	0.38	0.088	0.452	0.083	0.48	0.11	Slight	Clay fill	
	S703	7.5-9.5	06/20/06	0830	0853	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	None	Clay fill
	S704	10-12	06/20/06	0838	0859	1	1.6	6.9	3.7	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	None	Clay fill
	S705	12.5-14.5	06/20/06	0845	0910	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	None	Clay fill

Table 2 Soil Sample Field Screening and Laboratory Analytical Results, Pinehurst Farm, Sheboygan Falls, Wisconsin

Borehole Number	Sample Number	Depth (feet)	Date Collected	PID Field Screening		Laboratory Analysis																	Petroleum Odor	Sample Description	
				Time Collected	Time Analyzed	PID Response (ua)	DRO (mg/kg)	GRO (mg/kg)	Lead (mg/kg)	VOC Analyses (mg/kg)															
										1,2-dichloroethane	Benzene	n-Butylbenzene	sec-Butylbenzene	Diisopropyl ether	Ethylbenzene	Isopropylbenzene	Naphthalene	n-Propylbenzene	Tetrachloroethene	Toluene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Total Xylenes		
B300 (MW600)	S801	2.3-4.5	06/20/00	0925	0945	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	None	Clay till	
	S802	5.7	06/20/00	0910	0950	1	<1.5	1.7	3.2	0.025	0.025	0.025	<0.025	<0.025	0.025	0.025	<0.025	<0.025	<0.025	<0.025	<0.025	0.025	0.050	None	Clay till
	S803	7.5-9.5	06/20/00	0915	0955	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	None	Clay till	
	S804	10-12	06/20/00	0940	0959	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	None	Clay till	
B400 (MW700)	S901	2.3-4.5	06/20/00	1030	1052	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	None	Clay till	
	S902	5.7	06/20/00	1035	1055	1	<1.5	1.2	4.4	0.025	0.025	<0.025	<0.025	0.025	<0.025	<0.025	<0.025	<0.025	0.025	<0.025	0.025	<0.025	0.050	None	Clay till
	S903	7.5-9.5	06/20/00	1040	1100	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	None	Clay till	
	S904	10-12	06/20/00	1046	1105	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	None	Clay till	
B1000 (MW800)	S1001	2.3-4.5	07/26/00	0823	0856	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	None	Clay till	
	S1002	5.7	07/26/00	0830	0847	1	<1.5	1.3	3.9	0.025	<0.025	0.025	<0.025	<0.025	0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	0.050	None	Clay till
	S1003	7.5-9.5	07/26/00	0841	0905	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	None	Clay till	
	S1004	10-12	07/26/00	0850	0911	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	None	Clay till	
	S1005	12.5-14.5	07/26/00	0903	0940	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	None	Clay till	
Chapter NR 720 Wisconsin Administrative Code Soil Cleanup Standard							100	100	50	0.0048	0.0055	NR	NR	NR	2.0	NR	NR	NR	NR	1.5	NR	NR	4		
Section NR 740.06, Wisconsin Administrative Code Risk Screening Criteria							NR	NR	NR	NR	85	NR	NR	NR	4.0	NR	NR	NR	NR	38	83	11	47		

Note

- PID = photoionization detector  
 ua = instrument units as indicated  
 GRO = gasoline range organics  
 DRO = diesel range organics  
 mg/kg = milligrams per kilogram  
 VOCs = volatile organic compounds  
 - = compound not detected to a detection limit of x  
 - = not laboratory analyzed  
 NR = not regulated
- (XXX) = exceeds Chapter NR 720 Wisconsin Administrative Code Soil Cleanup Standard  
 XXX = exceeds Section NR 740.06, Wisconsin Administrative Code Risk Screening Criteria

MW800/B1000

MW600/B800

MW500/B700

EXTENT OF PETROLEUM  
FUEL AFFECTED GROUND WATER  
EXCEEDING THE CHAPTER  
NR140 ENFORCEMENT STANDARD

MW100/B1000

B500

B10

SHED

PUMP  
HOUSE

MW300/B400

NON-POTABLE  
WATER SUPPLY  
WELL (PH1)

GRASS

APPROXIMATE FORMER UST EXCAVATION

MW400/B600

MW200/B300

B200

GRASS

ASPHALT

MW700/B900

WATER SUPPLY  
WELL (OFF1)

OFFICE

SILO

SILO

SILO

#### LEGEND

B10

SOIL BOREHOLE

MW400/B600

MONITORING WELL/SOIL BOREHOLE

BURIED WATER LINES

BURIED ELECTRIC LINES



SCALE IN FEET

DRAWN BY: VLG PROJECT: 01-1408-2199 DATE: 6/13/00

REV. DATE

6/28/00

8/1/00

9/26/00

4/24/01

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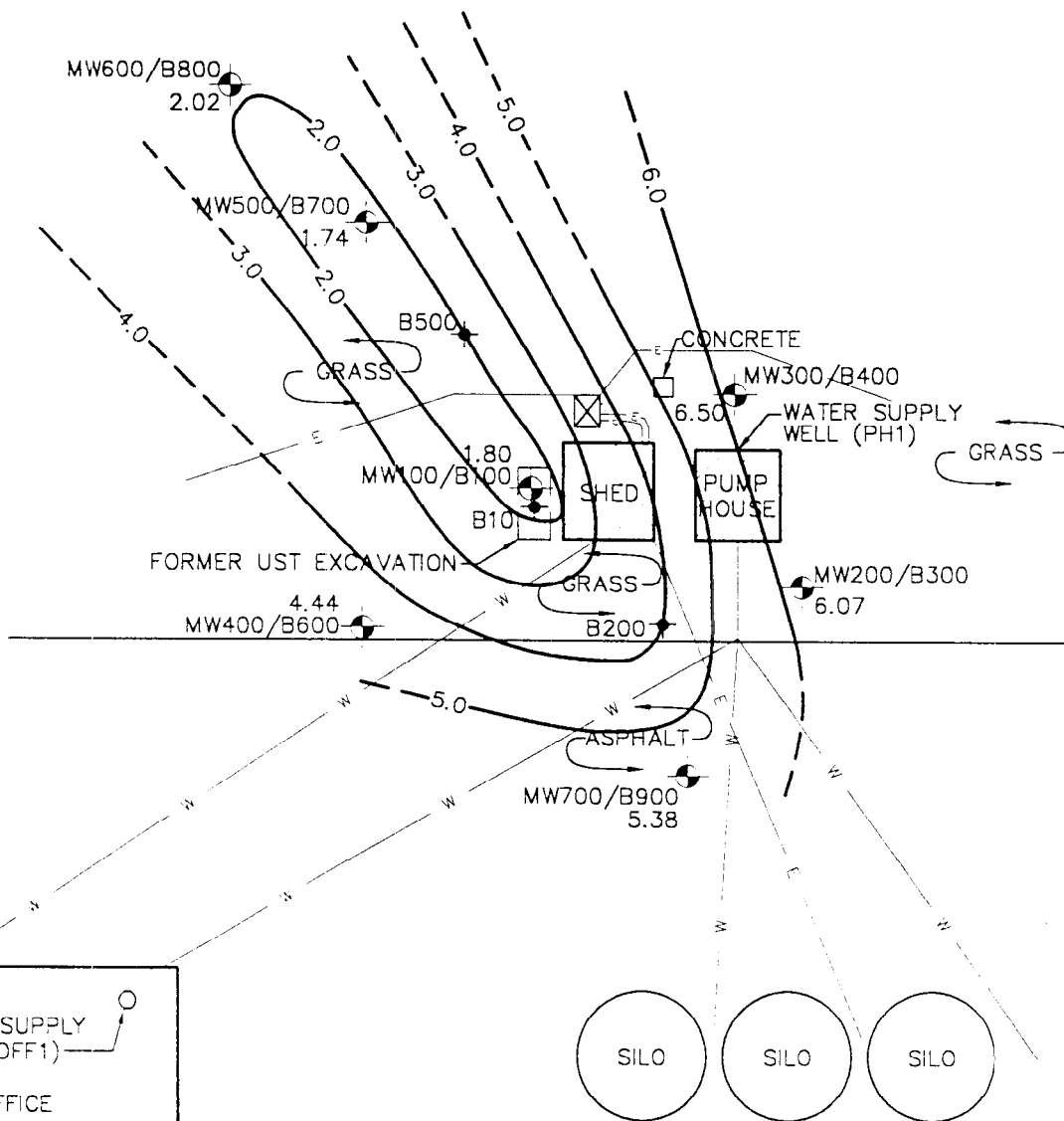


**Northern Environmental**  
Hydrologists • Engineers • Geologists

PINEHURST FARM  
SHEBOYGAN FALLS, WISCONSIN

EXTENT OF GROUND-WATER  
EXCEEDING ENFORCEMENT STANDARDS

MW800/B1000  
2.80



WATER SUPPLY  
WELL (OFF1)

OFFICE



SCALE IN FEET

#### LEGEND

- B10 SOIL BOREHOLE
- MW400/B600 4.44 MONITORING WELL/SOIL BOREHOLE WITH DISSOLVED OXYGEN CONCENTRATION (mg/l)
- BURIED WATER LINES
- BURIED ELECTRIC LINES
- 2.0 DISSOLVED OXYGEN ISOCONCENTRATION CONTOUR (mg/l) (DASHED WHERE INFERRED)

DRAWN BY: VLG PROJECT: 01-1408-2199 DATE: 9/26/00

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Hydrologists • Engineers • Geologists

PINEHURST FARM  
SHEBOYGAN FALLS, WISCONSIN

DISSOLVED OXYGEN CONCENTRATION  
IN GROUND WATER  
SEPTEMBER 21, 2000

FIGURE: 6



**Table 1 Ground-Water Elevation Data, Pinehurst Farm, Sheboygan Falls, Wisconsin**

Well ID	Date	Ground Surface Elevation (feet)	Reference Point Elevation * (feet)	Depth to Water	Ground-Water Elevation
MW100	06/07/00	693.29	692.85	2.94	689.91
	08/07/00			4.82	688.03
	09/21/00			1.89	690.96
	12/14/00			2.61	690.24
	04/05/01			1.15	691.70
MW200	06/07/00	694.34	693.82	3.07	690.75
	08/07/00			3.49	690.33
	09/21/00			3.00	690.82
	12/14/00			5.58	688.24
	04/05/01			1.47	692.35
MW300	06/07/00	693.60	693.20	3.54	689.66
	08/07/00			4.12	689.08
	09/21/00			2.62	690.58
	12/14/00			5.26	687.94
	04/05/01			2.49	690.71
MW400	06/07/00	693.42	693.03	2.57	690.46
	08/07/00			1.93	691.10
	09/21/00			2.12	690.91
	12/14/00			3.25	689.78
	04/05/01			1.70	691.33
MW500	06/07/00	691.45	694.51	12.06	682.45
	08/07/00			5.15	689.36
	09/21/00			4.57	689.94
	12/14/00			6.04	688.47
	04/05/01			4.14	690.37
MW600	06/07/00	691.05	694.10	14.60	679.50
	08/07/00			4.98	689.12
	09/21/00			4.51	689.59
	12/14/00			5.68	688.42
	04/05/01			4.73	689.37
MW700	06/07/00	693.95	693.42	2.54	690.88
	08/07/00			2.60	690.82
	09/21/00			3.57	689.85
	12/14/00			4.03	689.39
	04/05/01			2.01	691.41
MW800	08/07/00	690.15	692.34	3.70	688.64
	09/21/00			3.75	688.59
	12/14/00			-	-
	04/05/01			-	-

Note:

\* = reference point is the top of the PVC riser

- = not measured

MW800/B1000  
688.59

689.0

689.5

MW600/B800  
689.59

MW500/B700  
689.94

B500

GRASS

CONCRETE

MW300/B400

WATER SUPPLY  
WELL (PH1)

GRASS

690.96

MW100/B100

B10

SHED

PUMP  
HOUSE

FORMER LUST EXCAVATION

MW400/B600  
690.91

B200

MW200/B300  
690.82

690.5

690.0

MW700/B900  
689.85

ASPHALT

WATER SUPPLY  
WELL (OFF1)

OFFICE

SILO

SILO

SILO

#### LEGEND

B10

SOIL BOREHOLE

MW400/B600  
690.91

MONITORING WELL/SOIL BOREHOLE  
WITH GROUND WATER ELEVATION

---

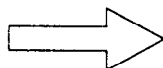
BURIED WATER LINES

---

BURIED ELECTRIC LINES

690.5

GROUND-WATER ELEVATION CONTOUR  
(DASHED WHERE INFERRED)



GROUND-WATER FLOW DIRECTION



SCALE IN FEET

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PINEHURST FARM  
SHEBOYGAN FALLS, WISCONSIN

GROUND-WATER ELEVATION  
SEPTEMBER 21, 2000

FIGURE: 5

Bx11.dwg

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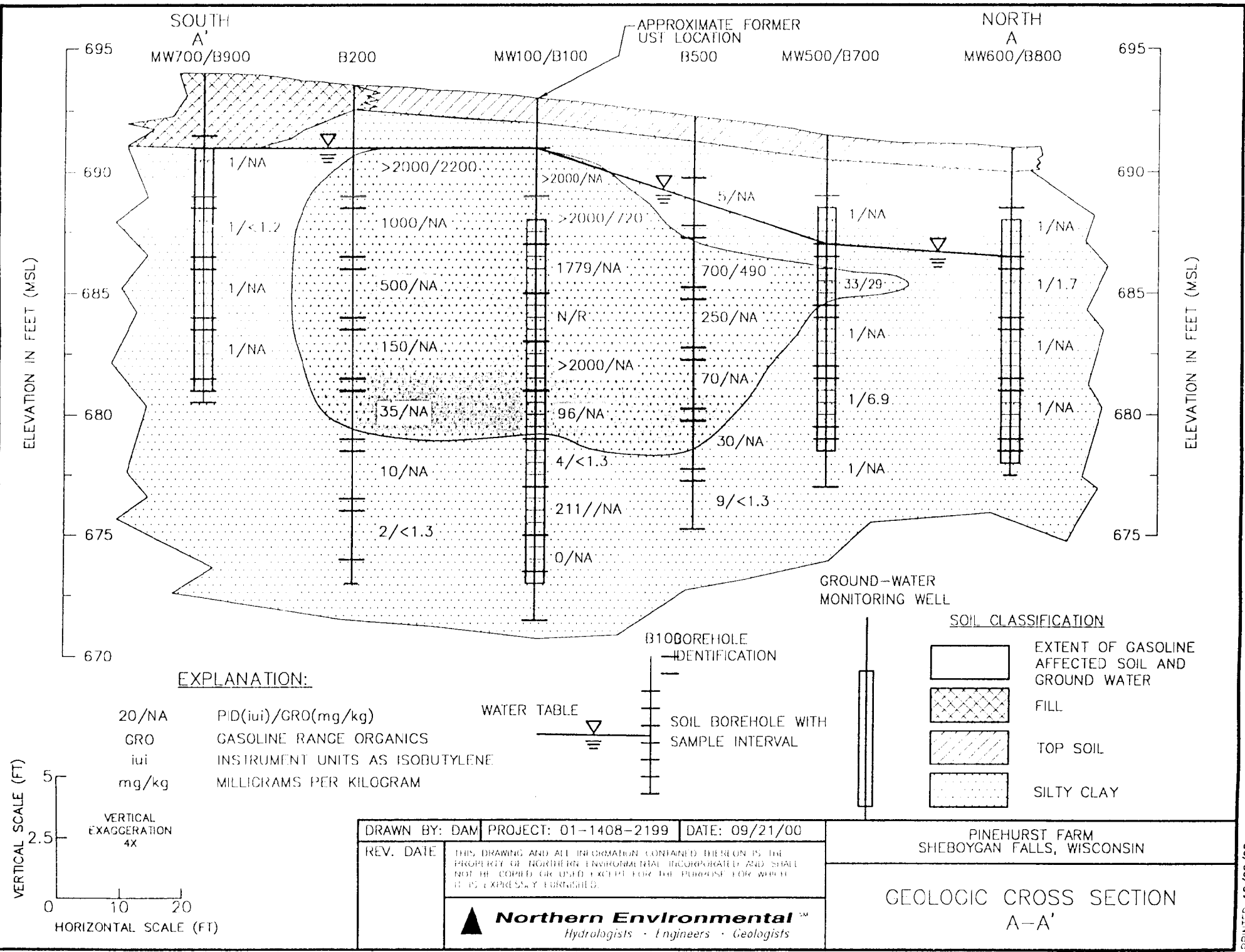


FIGURE 4

11x8.dwg  
 PRINTED: 10/28/98

February 17, 2003

Mr. David Rautmann  
Northern Environmental Technologies, Incorporated  
1214 West Venture Court  
Mequon, Wisconsin 53092

RE: Signed Statement for GIS Registry Packet Submittal; Pinehurst Farm, N4799 Highway  
32, Sheboygan Falls, Wisconsin; PECFA Claim # 53085-2714-99-A

Dear Mr. Rautmann,

The parcel identification number for the Property referenced above, as obtained from the Sheboygan County Register of Deeds, is 59282919612. The most recent deed for the property is enclosed. The legal description for Tax Key Number 090370 describes the relevant parts of property containing the contaminated soil and ground water. I, David Bachmann, Jr., am providing this signed statement that the legal descriptions and attachments to this statement are, to the best of my knowledge, complete and accurate.

Sincerely,

A handwritten signature in black ink, appearing to read "David Bachmann, Jr.", with a stylized flourish at the end.

David Bachmann, Jr.  
Pinehurst Farm